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AMENDMENTS IN ACCORDANCE WITH ARTICLE 11

AMENDMENT OF PROCEEDINGS

(Amendment in accordance with Article 11)

To the Patent Examiner, Japan Patent Office

1. International application identification:

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4. Parts amended: Claims

5. Content of the amendment

(1) Claim 1 has been amended from "intensity." to "intensity, wherein the two-dimensional recording layer is disposed between the hologram recording layer and the reflecting layer."

(2) Claim 4 has been canceled.

6. List of attachments

(1) Claims, pages 33-34

CLAIMS

1. (Amended) A hologram record carrier that has a substrate and a reflecting layer, where recording or reproducing of information is performed by light irradiation, characterized by comprising:

a hologram recording layer that reserves an optical interference pattern comprising components of coherent reference light and signal light as a diffractive grating therein; and

a two-dimensional recording layer that is laminated in a film thickness direction of the hologram recording layer and whose physical property changes in response to light intensity,

wherein the two-dimensional recording layer is disposed between the hologram recording layer and the reflecting layer.

2. The hologram record carrier according to claim 1, wherein the optical interference pattern is produced by a first light beam so that a hologram is recorded, and the two-dimensional recording layer senses a second light beam so that a mark is recorded according to change of the physical property.

3. The hologram record carrier according to claim 2, wherein the hologram recording layer has a sensitivity to a wavelength of the first light beam higher than that to a wavelength of the second light beam, and the two-dimensional recording layer is a phase-change film, a pigmented coat, or a magneto-optical recording film where a sensitivity to a wavelength of the second light beam is set to be higher than a sensitivity to a wavelength

of the first light beam.

4. (Deleted)

5. The hologram record carrier according to any one of claims 1 to 4, wherein the two-dimensional recording layer is disposed on a side of a light irradiation face of the holographic recording layer.

6. The hologram record carrier according to any one of claims 1 to 5, wherein an end mark indicating an end of the hologram or a group of the holograms recorded on the holographic recording layer is recorded at a portion of the two-dimensional recording layer laminated on a portion of the holographic recording layer recorded with the hologram or the group of the holograms.

7. The hologram record carrier according to any one of claims 1 to 5, wherein an address mark indicating an address of the hologram or a group of the holograms recorded on the holographic recording layer is recorded at a portion of the two-dimensional recording layer laminated on a portion of the holographic recording layer recorded with the hologram or the group of the holograms.

8. The hologram record carrier according to any one of claims 1 to 5, wherein a relational mark indicating information relating to the hologram or a group of the holograms recorded on the holographic recording layer is recorded at a portion of the